

BRUHAT BANGALORE MAHANAGARA PALIKE

**NAME OF WORK :DEVELOPMENTS OF BUILDING AND HOSPITAL DURING 2016-17 &
2017-18 UNDER GOK GRANTS (PACKAGE-3)**

**(A) CONSTRUCTION OF HOSPITAL BUILDING AT WARD NO. 11,
KUVEMPUNAGARA IN BYATARAYANAPURA ASSEMBLY CONSTITUENCY,
YELAHANKA ZONE**

**(B) CONSTRUCTION OF HOSPITAL BUILDING AT WARD NO. 07,
BYATARAYANAPURA**

(C) CONSTRUCTION OF HOSPITAL BUILDING AT WARD NO. 08, KODIGEHALLI

BUILDING

Est.Cost.Rs. 18408551

Sl No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
-------	---------------------	------	----	---	---	---	-----	------	--------

1 KSRRB M200-13.2:Dismantling of existing structures like culverts,bridges,retaining walls and other structure comprising of masonry,cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. By Mechanical means No. KBS Pg No 137 ,Item No 18.21,

Ward 11 Hospital

SLAB

	Cum	1	3.40	5.40	0.15	2.75		
--	-----	---	------	------	------	------	--	--

Ward 8 Hospital

SLAB

	Cum	1	8.60	7.80	0.15	10.06		
--	-----	---	------	------	------	-------	--	--

Basic rate

601.00

Area weightage 8%

48.08

Total

						12.82	649.08	8318.61
--	--	--	--	--	--	-------	--------	---------

2 37.51: Dismantling **cement concrete flooring** or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms) No. KBS Pg No 265 ,Item No 37.51,

Ward 11 Hospital

	Sqm	1.00	3.00	5.00		15.00		
--	-----	------	------	------	--	-------	--	--

Ward 7 Hospital

CC Bed

Right side of	Sqm	1	17	2.8		47.6		
---------------	-----	---	----	-----	--	------	--	--

Let Side of Building	Sqm	1	9	2.8		25.2		
----------------------	-----	---	---	-----	--	------	--	--

Ward 8 Hospital

	Sqm	1	7.70	6.9		53.13		
--	-----	---	------	-----	--	-------	--	--

Basic rate

55.00

Area weightage 8%

4.40

Total

						140.93	59.40	8371.24
--	--	--	--	--	--	--------	-------	---------

Ward 11 Hospital								
SSM for building	Cum	2	3.40	0.75	0.90	4.59		
	Cum	2	5.00	0.75	0.90	6.75		
Ward 7 Hospital								
Dismantling of								
Compound Wall								
SSM footing	Cum	1	17	0.75	0.75	9.56		
Compound Wall	Cum	1	17	0.75	0.75	9.56		
Ward 8 Hospital								
SSM for building	Cum	2	8.60	0.75	0.90	11.61		
	Cum	2	6.90	0.75	0.90	9.32		
Wall	Cum	2	8.60	0.45	2.85	22.06		
	Cum	2	6.90	0.45	2.85	17.70		
Compound Wall	Cum	2	12.20	0.075	1.80	3.29		
	Cum	2	16.10	0.075	1.80	4.35		
Deductions								
Door	Cum	1	0.90	0.45	2.10	-0.85		
Window	Cum	4	1.50	0.45	1.50	-4.05		
Ventilator	Cum	1	0.60	0.45	0.60	-0.16		
Opening	Cum	1	1.50	0.075	1.80	-0.20		
Basic rate							244.00	
Area weightage 8%							19.52	
Total						93.52	263.52	24645.3

Ward 11 Hospital								
Brickwork	Cum	2	3.40	0.20	3.00	4.08		
	Cum	2	5.00	0.20	3.00	6.00		
Deductions								
Door	Cum	1	0.90	0.20	2.10	-0.38		
Window	Cum	1	1.50	0.20	1.50	-0.45		
Basic rate							244.00	
Area weightage 8%							19.52	
Total						9.25	263.52	2438.09

Ward 11 Hospital								
------------------	--	--	--	--	--	--	--	--

Doors	Cum	1	6.00	0.10	0.08	0.05		
Windows	Cum	1	6.00	0.10	0.08	0.05		
Ward 8 Hospital								
Doors	Cum	1	6.00	0.10	0.075	0.05		
Windows	Cum	4	6.00	0.10	0.075	0.18		
Ventilator	Cum	1	2.40	0.10	0.075	0.02		
Basic Rate							438.00	
Area weightage 8%							35.04	
Total						0.33	473.04	157.52

6 Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge. Pg No 140,Item

Ward 11, 7 & 8 Hospital								
DEBRIS	Cum					115.93		
Loading and unloading item no.17.1 KSRRB M 100-1	Cum						68.00	
Basic rate for haulage of materials as per item No. 17.4 KSRRB : M 100 - 4.1	t.km	For surface roads excludng Basic rate loading & unloading					2.50	
Average Weight of Debris (1.3 Tonne/cum.)	For 2Kms = 2x1.3x2.5						6.50	
Basic rate							74.50	
Area weightage 8%							5.96	
Total						115.93	80.46	9327.73

7 KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. Specification No. KBS 2.1(b) / 2.3.5 Pg No 5,Item No 2.4

Ward 11 Hospital								
RETAINING WALL								
RECTANGULAR PORTION	Cum	1	44.21	19.82	4.15	3635.61		
TRIANGULAR PORTION	Cum	1	155.0		4.15	643.21		
Ward 7 Hospital								
Footing								
CF1	Cum	1	3.00	0.70	1.50	3.15		

CF2	Cum	5	3.00	1.00	1.50	22.50		
CF3	Cum	1	4.40	0.90	1.50	5.94		
CF4	Cum	1	1.60	1.60	1.50	3.84		
Plinth Beam PB1	Cum	1	6.73	0.20	0.70	0.94		
PB2	Cum	1	4.15	0.20	0.70	0.58		
	Cum	2	4.28	0.20	0.70	1.20		
	Cum	1	3.50	0.20	0.70	0.49		
PB2	Cum	2	4.60	0.20	0.70	1.29		
PB3	Cum	1	2.48	0.20	0.60	0.30		
SSM								
Watchman Shed	Cum	2	3.40	0.60	1.20	4.90		
	Cum	2	3.00	0.60	1.20	4.32		
Compound wall	Cum	1	12.40	0.60	1.05	7.81		
Ward 8 Hospital								
Footing								
CF1	Cum	1	4.92	2.50	2.10	25.83		
CF2	Cum	2	6.88	2.00	1.50	41.28		
CF3	Cum	2	4.30	2.40	1.50	30.96		
C2	Cum	1	2.30	2.30	1.50	7.94		
C3	Cum	3	2.05	2.05	1.50	18.91		
C3'	Cum	1	2.20	1.90	1.50	6.27		
SSM Footing Plinth Beam	Cum	2	2.55	0.90	1.15	5.28		
	Cum	2	0.08	0.60	1.15	0.11		
	Cum	1	1.31	0.60	1.15	0.90		
	Cum	1	0.16	0.60	1.15	0.11		
	Cum	1	0.68	0.60	1.15	0.47		
	Cum	1	2.25	0.60	1.15	1.55		
	Cum	1	2.17	0.60	1.15	1.50		
	Cum	1	0.62	0.60	1.15	0.43		
	Cum	1	0.35	0.60	1.15	0.24		
COMPOUND WALL	Cum	2	17.00	0.60	1.05	21.42		
	Cum	2	11.80	0.60	1.05	14.87		
For sump	cum	1	2.36	2.36	2.20	12.25		
Basic rate							283.00	
Area weightage 8%							22.64	
Total						4526.40	305.64	1383449.24

Area weightage 8%								403.68	
Total							61.02	5449.68	332539.47
10	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.12 Item No 4.3								
Ward 7 Hospital									
Footing									
CF1	Cum	1	3.00	0.70	0.15	0.32			
CF2	Cum	5	3.00	1.00	0.15	2.25			
CF3	Cum	1	4.40	0.90	0.15	0.59			
CF4	Cum	1	1.60	1.60	0.15	0.38			
Plinth Beam PB1	Cum	1	6.73	0.20	0.15	0.20			
PB2	Cum	1	4.15	0.20	0.15	0.12			
	Cum	2	4.28	0.20	0.15	0.26			
	Cum	1	3.50	0.20	0.15	0.10			
PB2	Cum	2	4.60	0.20	0.15	0.28			
PB3	Cum	1	2.48	0.20	0.15	0.07			
SSM									
Watchman Shed	Cum	2	3.4	0.6	0.15	0.61			
	Cum	2	3	0.6	0.15	0.54			
Compound wall	Cum	1	12.4	0.6	0.15	1.116			
Ward 8 Hospital									
Footing									
CF1	Cum	1	4.92	2.50	0.15	1.85			
CF2	Cum	2	6.88	2.00	0.15	4.13			
CF3	Cum	2	4.30	2.40	0.15	3.10			
C2	Cum	1	2.30	2.30	0.15	0.79			
C3	Cum	3	2.05	2.05	0.15	1.89			
C3'	Cum	1	2.20	1.90	0.15	0.63			
SSM Footing									
	Cum	2	4.30	0.60	0.15	0.77			
	Cum	2	0.80	0.60	0.15	0.14			
	Cum	1	1.31	0.60	0.15	0.12			
	Cum	1	0.96	0.60	0.15	0.09			
	Cum	1	1.50	0.60	0.15	0.13			
	Cum	2	3.97	0.60	0.15	0.71			
	Cum	1	2.45	0.60	0.15	0.22			
	Cum	1	1.95	0.60	0.15	0.18			
COMPOUND WALL	Cum	2	17.00	0.60	0.15	3.06			

	Cum	2	11.80	0.60	0.15	2.12		
For sump	Cum	1	2.36	2.36	0.1	0.56		
Basic rate							4867.00	
Area weightage 8%							389.36	
Total						27.33	5256.36	143640.34

- 11 KSRB 4-1.6 ; Providing and laying in position **plain cement concrete of mix M15** with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2, Pg No. 12 Item No. 4.6

Ward 7 Hospital								
Around Building Area	Cum	1	19.30	2.80	0.15	8.11		
	Cum	1	19.05	2.40	0.15	6.86		
	Cum	1	4.40	2.80	0.15	1.85		
Watchman Shed	Cum	1	3.40	3.40	0.15	1.73		
Ward 8 Hospital								
Plinth beam(Above SSM Footing)								
	Cum	2	4.30	0.45	0.10	0.39		
	Cum	2	2.50	0.45	0.10	0.23		
	Cum	2	2.60	0.45	0.10	0.23		
	Cum	2	2.60	0.45	0.10	0.23		
	Cum	1	2.75	0.45	0.10	0.12		
	Cum	1	2.46	0.45	0.10	0.11		
	Cum	1	1.50	0.45	0.10	0.07		
	Cum	2	3.97	0.45	0.10	0.36		
	Cum	1	2.45	0.45	0.10	0.11		
	Cum	1	1.95	0.45	0.10	0.09		
Building Area	Cum	1	10.40	14.95	0.15	23.32		
Basic rate							5441.00	
Area weightage 8%							435.28	
Total						43.81	5876.28	257439.83

- 12 KSRB 5.2-3 : Providing and constructing **granite / trap / basalt size stone masonry in foundation cement mortar 1:6**, stone hammerdressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 Pg No 23 item No 5.6

Ward 7 Hospital								
SSM footing								
Watchman Shed	Cum	2	3.40	0.45	0.90	2.75		
	Cum	2	3.00	0.45	0.90	2.43		
Compound wall	Cum	1	12.40	0.45	0.90	5.02		

Ward 8 Hospital								
SSM footing								
	Cum	2	4.30	0.45	0.60	2.32		
	Cum	2	0.08	0.45	0.60	0.04		
	Cum	1	1.31	0.45	0.60	0.35		
	Cum	1	0.96	0.45	0.60	0.26		
	Cum	1	1.50	0.45	0.60	0.40		
	Cum	2	3.97	0.45	0.60	2.14		
	Cum	1	2.45	0.45	0.60	0.66		
	Cum	1	1.95	0.45	0.60	0.53		
COMPOUND WALL								
	Cum	2	17.00	0.45	0.90	13.77		
	Cum	2	11.80	0.45	0.90	9.56		
Basic rate							4187.00	
Area weightage 8%							334.96	
Total						40.23	4521.96	181909.41

- 13 **KSRB 2.3 : Filling available excavated earth** (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9, Pg No.6, Item No.2.10

Ward 11 Hospital								
Filling in foundations								
Excavated earth quantity	Cum	From SL no 6				4514.15		
FOOTING								
	Cum	1	26.83	3.00	0.50	40.24		
	Cum	1	44.21	3.00	0.50	66.31		
	Cum	1	19.82	3.00	0.50	29.73		
	Cum	1	44.76	3.00	0.50	67.14		
WALL								
	Cum	1	26.83	0.3	0.55	4.43		
	Cum	1	44.21	0.3	0.55	7.29		
	Cum	1	19.82	0.3	0.55	3.27		
	Cum	1	44.76	0.3	0.55	7.39		
RECTANGULAR PORTION	Cum	1	44.21	19.82	3.1	2715.76		
TRIANGULAR PORTION	Cum	1	155		3.1	480.47		
Ward 7 Hospital								
Footings								

CF1	Cum	1	3.00	0.70	0.65	1.37		
CF2	Cum	5	3.00	1.00	0.65	9.75		
CF3	Cum	1	4.40	0.90	0.65	2.57		
CF3	Cum	1	1.60	1.60	0.65	1.66		
Column below GL								
C1	Cum	19	0.20	0.45	0.85	1.45		
Plinth beam								
PB1	Cum	1	8.58	0.20	0.30	0.51		
PB2	Cum	1	4.45	0.20	0.30	0.27		
	Cum	2	4.83	0.20	0.30	0.58		
	Cum	1	0.80	0.20	0.30	0.05		
	Cum	1	4.50	0.20	0.30	0.27		
	Cum	2	5.40	0.20	0.30	0.65		
PB3	Cum	1	2.80	0.20	0.20	0.11		
	Cum	6	1.20	0.20	0.20	0.29		
	Cum	1	3.23	0.20	0.20	0.13		
	Cum	2	1.70	0.20	0.20	0.14		
	Cum	1	2.48	0.20	0.20	0.10		
PCC for Plinth								
Plinth Beam PB1	Cum	1	6.73	0.20	0.25	0.34		
PB2	Cum	1	4.15	0.20	0.25	0.21		
	Cum	2	4.28	0.20	0.25	0.43		
	Cum	1	3.50	0.20	0.25	0.17		
PB2	Cum	2	4.60	0.20	0.25	0.46		
PB3	Cum	1	2.48	0.20	0.25	0.12		
Around Building	Cum	1	19.30	2.80	0.15	8.11		
	Cum	1	19.05	2.40	0.15	6.86		
	Cum	1	4.40	2.80	0.15	1.85		
Watchman Shed	Cum	1	3.40	3.40	0.15	1.73		
PCC for SSM Footing								
Watchman Shed	Cum	2	3.40	0.60	0.15	0.61		
	Cum	2	3.00	0.60	0.15	0.54		
Compound wall	Cum	1	12.40	0.60	0.15	1.12		
SSM Footing	Cum	2	3.40	0.45	1.05	3.21		
	Cum	2	3.00	0.45	1.05	2.84		
Compound wall	Cum	1	12.40	0.45	1.05	5.86		
Ward 8 Hospital								
Footings								
CF1								
Slab	Cum	1	4.92	2.50	0.30	3.69		
Beam	Cum	2	4.92	0.20	1.55	3.05		

Lift Beam	Cum	2	2.10	0.20	1.55	1.30		
CF2	Cum							
Slab	Cum	2	6.88	2.00	0.25	6.88		
Beam	Cum	2	6.88	0.40	0.50	2.75		
CF3	Cum							
Slab	Cum	2	4.30	2.40	0.25	5.16		
Beam	Cum	2	4.30	0.75	0.35	2.26		
C2	Cum	1	2.30	2.30	0.40	2.12		
C3	Cum	3	2.05	2.05	0.40	5.04		
C3'	Cum	1	2.20	1.90	0.40	1.67		
Column below GL								
C1	Cum	2	0.20	0.60	0.65	0.16		
	Cum	4	0.20	0.60	0.50	0.24		
C2	Cum	1	0.20	0.60	0.85	0.10		
C3	Cum	3	0.20	0.45	0.85	0.23		
C3'	Cum	1	0.20	0.45	0.85	0.08		
C4	Cum	2	0.20	0.60	0.65	0.16		
Plinth beam								
	Cum	2	4.30	0.20	0.30	0.52		
	Cum	2	2.50	0.20	0.30	0.30		
	Cum	2	2.60	0.20	0.30	0.31		
	Cum	2	2.60	0.20	0.30	0.31		
	Cum	1	2.75	0.20	0.30	0.17		
	Cum	1	2.46	0.20	0.30	0.15		
	Cum	1	1.50	0.20	0.30	0.09		
	Cum	2	3.97	0.20	0.30	0.48		
	Cum	1	2.45	0.20	0.30	0.15		
	Cum	1	1.95	0.20	0.30	0.12		
PCC for Plinth beam								
	Cum	2	4.30	0.45	0.10	0.39		
	Cum	2	2.50	0.45	0.10	0.23		
	Cum	2	2.60	0.45	0.10	0.23		
	Cum	2	2.60	0.45	0.10	0.23		
	Cum	1	2.75	0.45	0.10	0.12		
	Cum	1	2.40	0.45	0.10	0.11		
	Cum	1	1.50	0.45	0.10	0.07		
	Cum	2	3.97	0.45	0.10	0.36		
	Cum	1	2.45	0.45	0.10	0.11		
	Cum	1	1.95	0.45	0.10	0.09		
Building Area	Cum	1	10.40	14.95	0.15	23.32		
SSM footing								

